

62-33376

Mustel', E. R.
METHODS OF STUDYING THE SECULAR LOSS OF
MASS BY STARS OF EARLY SPECTRAL CLASSES.
Pt. 2 of The Problem of the Loss of Matter from
Stationary Stars. [1962] [13]p. 15 refs.
Order from OTS or SLA \$1.60 62-33376

Trans. of [Akademiya Nauk SSSR]. Krymskaya Astro-
fizicheskaya Observatoriya. [Izvestiya (USSR) 1958,
v. 19, p. 153-164.

DESCRIPTORS: Astrophysics, *Stars, *Interstellar
matter, Nebulae.

(Astronomy--Astrophysics, TT, v. 9, no. 9)

- I. Title: Corpuscular
radiation
1. Mustel', E. R.
- II. Title: Problem ...
- III. Translations, New York

Office of Technical Services

Mustel', E. R.
AN EXAMINATION OF THE ENVELOPE CREATED
BY CORPUSCULAR EMISSION FROM THE STAR.
Pt. 3 of the Problem of the Loss of Matter from
Stationary Stars. [1962] [17]p. 7 refs.
Order from OTS or SLA \$1.60

62-33412

Trans. of [Akademiya Nauk SSSR], Krymskaya
Astrofizicheskaya Observatoriya. Izvestiya (USSR)
1959, v. 21, p. 24-39.

DESCRIPTORS: Astrophysics, *Stars, *Interstellar
matter, Nebulae.

(Astronomy--Astrophysics, TT, v. 9, no. 9)

62-33412

- I. Title: Corpuscular
radiation
- I. Mustel', E. R.
- II. Title: Problem...
- III. Translations, New York

Office of Technical Services

Investigation of Spectra of Large Chromospheric Flares,
by A. Severnyi.

RUSSIAN, per Izv. krym. astrofiz. Obs. Vol. 21, 1959,
pp 146-151

CSIRO/No.8189

Sci -

Aug 67

339-445

Severnyl, A. B.
INVESTIGATION OF MAGNETIC FIELDS CON-
NECTED WITH SOLAR FLARES (Issledovanie
Magnitnykh Polei, Svyazannykh so Vspyshkami na
Solntse) tr. by M. Slade. [1961] [60]p. (foreign text
included) 10 refs. {CSIRO} Trans. no. 5157.
Order from OTS or SLA \$5.60 61-28637

Trans. of Akademiya Nauk SSSR, Krymskaya Astro-
fizicheskaya Observatoriya, Izvestiya, 1960, v. 22,
p. 12-41.

DESCRIPTORS: *Solar flares, *Magnetic fields, In-
tensity, Measurement, Recording devices.

With the improved solar magnetograph described by
N. S. Nikulin (this journal 19: 3-19, 1958, available in
translation from LC or SLA as 61-19379; and 22: 3-8,
1960, available in translation from OTS or SLA as
(Astronomy--Astrophysics, TT, v. 6, no. 12) (over)

61-28637

I. Severnyl, A. B.
II. CSIRO Trans-5157
III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

Determination of the Magnetic Field Gradient
in the Solar Photosphere, by V. E. Stepanov.

RUSSIAN, per, Iz Krymsk Astrofiz Observ,
Vol XXII, 1960, pp 42-48.

*NASA

Sci - Astron, Phys

Oct 62

Non-Steady Continuous Emission of Bursts, by
A. Severnyi.

RUSSIAN, par, in Krymkoj Astrofiz Obs'er, Vol XXII,
1960, pp 67-74.

CSIRO 5156

Sol - Phys

191,685

Apr 62

THE SPECTROPHOTOMETRY OF BRIGHT REVERSALS IN THE H
AND K LINES OF THE SPECTRUM OF SUN-SPOT UMBRAE,
BY E. R. MUSTEL', T. T. TSAP, 9 PP.

RUSSIAN, PER, IZ KRYMSKOY ASTROFIZ OBSERV, VOL XXII,
1960, PP 75-80. 9678202

FTD-TT-62-596

SCI - PHYS
11 OCT 62

212,370

Experimental Determination of Oscillator Strengths
of the Lines of Lead by the Absorption Method, by
M. Z. Khokhlov.

RUSSIAN, per, Iz Ak Nauk, Krymskaya Astrofiz
Observ, Vol XXII, 1960, pp 110-127.

*PL-400

Sci-
Nov 63

Estimate of the Maximum Possible Lead Content
in the Solar Atmosphere According to the Infrared
Lead Line 7229, by M. Z. Khokhlov.

RUSSIAN, per, Iz Krymskaya Astrofiz Observatoriya,
Vol XXII, 1960, pp 128-133.

*PL-480
OTS 63-11135

PST-900
Sci
Jan 63

The Profile of the Sodium D_1 Line and the
Gradient of the Magnetic Field of Sunspots,
by E. A. Baranovskiy and E. V. Stepanov,
RUSSIAN, per, Izvestiya Krymskoi Astro-
fizicheskoi Observatorii, Vol XXI, 1959,
pp 180-189.
NLL RTS 2799 (ON LOAN OR PURCHASE)

Sci-Astron
Mar 67

321,438

Bumba, V.

RESULTS OF AN INVESTIGATION OF THE MAGNETIC FIELD OF SINGLE SUNSPOTS (Rezultaty Issledovaniya Magnitnogo Polya Odinochnykh Solnetchnykh Pyaten). May 61 [58]p. 40 refs. RTS 1773. Order from OTS or SLA \$5.60 61-23144

Trans. of [Akademiya Nauk SSSR], Krymskaya Astrofizicheskaya Observatoriya (Izvestiya), 1960, v. 23, p. 212-252.

DESCRIPTORS: *Sunspots, *Magnetic fields, Photographic analysis.

Photographic and photoelectric (with magnetograph) methods were used. The variation of the field strength (H) with distance (s) from the centre of the spot is well represented in the penumbra by the formula $H = a/s^3$, where a is the magnetic moment of the field and varies with the spot diameter, from about 10^{27} to 10^{30} G cm³ for the spots studied. The values of $\log_{10} H_{\max}$, where (Astronomy--Astrophysics, TT, v. 6, no. 4) (over)

61-23144

- I. Bumba, V.
- II. RTS-1773
- III. Department of Scientific and Industrial Research (Gr. Brit.)

177704

Office of Technical Services

Results of the Study of the Evershed Effect in
Single Sunspots, by V. Bumba, *34 p.*

RUSSIAN, per, Iz Krymskoi Astrofiz Observatorii,
Vol XXIII, 1960, pp 253-276.

NLL RTS 1774

Sci - *Ashen*

Jan 62

SLA 61-23623
180,060

61-19674

Dumba, V.

THE CONNECTION BETWEEN THE MAGNETIC
FIELD AND MOTION IN SINGLE SUNSPOTS (Svyaz'
Mezhdu Magnitnym Polem i Dvizheniyem v Odinochnykh
Solnechnykh Pyatnakh). Apr 61 [17]p. 4 refs. RTS 1775.
Order from OTS or SLA \$1.60 61-19674

I. Dumba, V.

II. RTS-1775

III. Department of Scientific
and Industrial Research
(Gt. Brit.)

Trans. of Akademiyi Nauk SSSR. Krymshaya
Astrofizicheskaya Observatoriya. Izvestiya, 1960,
v. 23, p. 277-290.

175290

DESCRIPTORS: *Sunspots, *Magnetic fields, Motion

Results of previous observations on the strength and
configuration of the magnetic field in single spots and
the variations of the magnetic field with altitude above
these spots (Akad. Nauk SSSR. Krymshaya Astrofiz.
Observatoriya Izvestiya 23; 212-252, 1960; available in
translation from OTS or SLA for \$5.60 as 61-23144) and
on the Evershed effect in individual spots (ibid. 253-276;
available in translation from OTS or SLA for \$3.60 as
(Astronomy--Astrophysics, TT, v. 6, no. 3) (over)

Office of Technical Services

Stepanov, V. E.
DEPENDENCE OF THE SOLAR MAGNETOGRAPH
READINGS ON THE STRENGTH AND DIRECTION
OF THE FIELD (Zavisimost' Pokazani Solnechnogo
Magnitografa ot Velichiny Napryazhennosti i
Napravleniya Polya) tr. by M. Slade. [1962] [15]p.
(foreign text included) 8 refs. [CSIRO] Trans. 5720.
Order from OTS or SLA \$1.60 62-24627

Trans. of Akademiya Nauk SSSR. Krymskaya
Astrofizicheskaya Observatoriya. Izvestiya, 1960,
v. 23, p. 291-298.

DESCRIPTORS: *Sun, *Magnetic fields, Measurement,
Intensity, Distribution, Magnetometers.

The interval of the variation of strength (H) for which
the readings of the solar magnetograph are propor-
tional to $H \cos \gamma$ was determined on the basis of the
theory of formation of absorption lines in a magnetic
(Astronomy--Astrophysics, TT, v. 8, no. 4) (over)

62-24627

- I. Stepanov, V. E.
- II. CSIRO Trans-5720
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

THE REGISTRATION OF THE INTENSITY OF ATMOSPHERICS ON
27 KC WITH A DIRECTIONAL ANTENNA SYSTEM, BY N. N.
YERYUSHER, A. I. SMIRNOR, 12 PP.

RUSSINN, PER, IZ KRYMSKOY ASTROFIZ OBSERV, VOL XXIV,
1960, PP 32-40. 9678377

FTD-TT-62-587

SCI - ELECTRON
11 OCT 62

212,336

THE POSSIBLE STRUCTURE OF THE D-REGION DURING SUDDEN
IONOSPHERIC DISTURBANCES, BY YU. I. NESHFOR, ~~XXXX~~
N. A. SAVICH, 11 PP.

RUSSIAN, PER, IZ KRYMSKOY ASTROFIZ OBSERV, VOL XXIV,
1960, PP 41-47. 9678377

FTD-TT-62-587

SCI - GEOPHYS
11 OCT 62

212,337

Ionized Helium Emission in Chromospheric Flares, by
N. V. Steshenko.
RUSSIAN, per, Izvestiya Akademiiy Nauk SSSR. Krymskaya
Astrofizicheskaya Observatoriya, Vol 24, 1960,
pp 258-276.
*AFCRL

Sept 72

62-13609

Severnyi, A. B.
SOME FEATURES OF PLASMA MOTION IN SOLAR
MAGNETIC FIELDS (Nekotore Osobennosti
Dvizheniya Plazmy v Solnechnykh Magnitnykh Polyakh)
tr. by M. Slade. [1961] [25]p. (foreign text included)
8 refs. [CSIRO] Trans. no. 5457.
Order from OTS or SLA \$2.60 62-13609

Trans. of [Akademiya Nauk SSSR]. Krymskaya
Astrofizicheskaya Observatoriya. Izvestiya, 1960,
v. 24, p. 281-292.

DESCRIPTORS: *Sunspots, Sun, *Magnetic fields,
*Plasma physics, Motion, Solar atmosphere, Atmos-
phere, Measurement.

The magnetic field (of the order of 60 Gs) and simul-
taneously the radial velocities and central intensities
in the center of the H β line were recorded in the
(Astronomy--Astrophysics, TT. v. 7, no. 10) (over)

- I. Severnyi, A. B.
- II. CSIRO Trans-5457
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

Steshenko, N. V. and Khokhlova, V. L.
HELIUM EMISSION OF THE CHROMOSPHERIC FLARE
OF 14 SEP 58 (Gellevaya Emissiya Khromosfernoi
Vspyski 14 Sentyabrya 1958 G.) tr. by M. Slade.
[1962] [19]p. (foreign text included) 7 refs. [CSIRO]
Trans. 5719.

Order from OTS or SLA \$1.60

62-24626

Trans. of Akademiya Nauk SSSR. Krymskaya Astro-
fizicheskaya Observatoriya. Izvestiya, 1960, v. 48,
p. 322-330.

DESCRIPTORS: *Solar flares, *Spectrographic data,
*Helium, Spectrophotometers, Radio signals, Radio
astronomy, Astronomy.

The emission lines $\lambda\lambda 3965, 5016, 6678, 5876$ and 4713
were studied in a flare on the disk. With the exception
of $\lambda 5876$, the above He I lines have no self-absorption.
The intensities of optically thin lines were used for
(Astronomy--Astrophysics, TT, v. 8, no. 4) (over)

62-24626

- I. Steshenko, N. V.
- II. Khokhlova, V. L.
- III. CSIRO Trans-5719
- IV. Commonwealth Scientific and
Industrial Research Organ-
ization Australia)

Office of Technical Services

TT-64-14752

I. Gershberg, R. E.

Gershberg, R. E.
THE EXPANSION OF H II REGIONS AND THE
FORMATION OF PERIPHERAL STRUCTURES IN
DIFFUSE NEBULAE (Rasshirenie Oblastei H II i
Obrazovanie Periferitnykh Struktur v Diffuznykh
Tumannostyakh). [1964] [20p] 21refs
Order from OTS, SLA, or ETC \$1.60 TT-64-14752

Trans. of [Akademiya Nauk SSSR]. Krymskaya
Astrofizicheskaya Observatoriya. Izvestiya, 1961,
v. 25, p. 76-87.

(Astronomy, TT. v. 11, no. 11)

Office of Technical Services

Stepanov, V. E.
ON MOTIONS AT VARIOUS LEVELS IN THE SUN'S
"ATMOSPHERE" (K Voprosu o Dvizhenii na
Razlichnykh Urovnyakh Atmosfery Solntsa) tr. by V. E.
Solodukhin. [1963] 36p. (foreign text included) 27 refs.
CSIRO Trans. no. 6010.
Order from OTS or SLA \$3.60

63-19147

Trans. of Akademiya Nauk SSSR. Krymskaya Astro-
fizicheskaya Observatoriya. Vvestiya. 1961, v. 25,
p. 154-173.

DESCRIPTORS: *Sun, *Gases, Sunspots, Motion,
Velocity, Turbulence, Astrophysics, *Solar
atmosphere.

(Astronomy--Astrophysics, TT, v. 10, no. 7)

63-19147

- I. Stepanov, V. E.
- II. CSIRO Trans-6010
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

On the Formation of Absorption Lines in a
Magnetic Field, by D. H. Rachkovskiy,
RUSSIAN, per, Izvestiya Krymskoi Astro-
fizicheskoi Observatorii, Vol XXV, 1961,
pp 277-280.
NLL RTS 2804 (On Loan or Purchase)

Sci-Astron
Mar 67

321,440

The Ultraviolet Solar Spectrum in the Region
2470-3100 Å, by V. P. Kechalov, A. V. Yakoleva,
46 pp.

RUSSIAN, per, *Izvestiya Krynshoi Astrofizicheskoi*
Observatorii, Akad, Nauk, SSSR, Vol XXVII, 1962,
pp 5-43.

Navy Tr 3300/IRL 923

Sci
Feb 63

221,503

Ultraviolet E₂ I Lines in the Solar Spectrum,
by V. P. Muchalov, M. Z. Khokhlov, 13 pp.

RUSSIAN, per, Izvestiya Kymakoi Astrofizicheskoi
Observatorii, Akad. Nauk SSSR, Vol XXVII, 1962,
pp 44-51.

Re

Navy Tr 3302/1001 924

Sci

070 61-1154

Feb 63

221,504

Magneto-optical Effects in Spectral Lines
of Sunspots, by D. N. Rachkovskiy,
RUSSIAN, per, Izvestiya Krymskoi Astro-
fizicheskoy Observatorii, Vol XXVII, 1962,
pp 148-161.

NIL RTS 2816 (On Loan or Purchase)

Sci-Astron

Mar 67

328,441

1

Nomograms for Determining the Magnetic Field
Strength and Its Inclination from the Longi-
tudinal and Transverse Components Recorded
by a Magnetograph, by A. A. Garunov,
RUSSIAN, per, Izvestiya Krymskoi Astro-
fizicheskoi Observatorii, Vol XXVIII, 1962,
pp 224-229.
NLL RTS 2813 (On Loan or Purchase)

Sci-Astron
Mar 67

321,439

Experimental Application of Television
Technique for Observation of Stars, by
Ye. S. Agapov, V. F. Anisimov.

RUSSIAN, per, Iz Ak Nauk SSSR Krymukoy
Astrofiz Obser, Moscow, 1963, pp 3-18.

*FTD-MT-64-411

GOV'T USE ONLY

Sci - Earth Sci & Astron
Oct 64

TT-64-15374

Prokofev, V. K. and Petrova, N. N.
ON THE PRESENCE OF OXYGEN IN THE ATMOS-
PHERE OF VENUS. 15 Jan 64 [21p] 9refs JPLAI/Trans.
33; CR-53061; N64-15731.

Order from OTS, SLA, or ETC \$2.60 TT-64-15374

Trans. of Akademiya Nauk SSSR, Krymskaya Astro-
fizicheskaya Observatoriya, Izvestiya, 1963, v. 29,
p. 3-14.

- I. Prokofev, V. K.
- II. Petrova, N. N.
- III. JPLAI/Trans-33
- IV. CR-53061
- V. N64-15731
- VI. Jet Propulsion Lab.,
Calif. Inst. of Tech.,
Pasadena

(Astronomy--Astrophysics. TT, v. 12, no. 2)

Office of Technical Services

Nuclear Processes in Chromospheric Flares,
by B. M. Vladimirovskiy, A. B. Severnyy, 9 pp.
RUSSIAN, per, IZ Krymskoy Astrofiz Observ, Vol XXIX,
1963, pp 80-85. 9221733
NASA TT F- 214

Sci - E. S. & Astron
jul 64

262,851

Experimental Application of Television Equipment
for Observation of Stars, by Ye. S. Agapov,
V. F. Anisimov, 21 pp.

RUSSIAN, per, Iz Ak Nauk SSSR, Krymskaya Astrofiz
Obser, vol XXX, 1963, pp 3-18. 9696124

FTD-MT-64-4411

GOV'T USE ONLY

Sci
Mar 65

275,618

Observations of Transverse and Longitudinal
Magnetic Fields Connected with Solar Flares,
by A. B. Severnyi,
RUSSIAN, per, Izvestiya Krymskoi Astro-
fizicheskoy Observatoriy, Vol. XXXI, 1964,
pp 199-199.
NLL RTS 2806 (On Loan or Purchase)

Sci-Astron
Mar 67

321,442

The Distribution of Hydrogen Atoms at
Excitation Levels in a Strong Impulsive
Discharge, by A. N. Babin, A. M. Pascha.
RUSSIAN, per, Izvestiya, Akademiya Nauk
SSSR. Krimskaya Astrofizicheskaya Ab-
servatoriya, Vol 31, 1964, pp 259-70.
SIA TT-66-10804

332, 210

Sci
Jul 67

Rapid-action Switch for 30-Centimeter Wave,
by A. P. Bachurin. 10 pp.
RUSSIAN, per. Izvestiya, Akad. Nauk SSSR,
Krymskoy Astrofizicheskaya Observatoriya.
Vol 52, 1964, pp 187-191. 9700057
FTD-TT-65-1305

Sci/Ingr
May 66

299,472

~~299,534~~

IZVESTIYA AKADEMII NAUK LATVIISKOI SSR, HIGA
SEE LATVIJAS PSR ZINATNU AKADEMIJAS VESTIS, AND
CORRESPONDING SERIES FOR LATER DATES

The Evolutionary Principle in the Classification
of Infectious Diseases, 67 pp. UNCLASSIFIED

RUSSIAN, per, Izvest Ak Nauk Latv SSR, No 10,
1948,

NIH Tr 3-66a

Sci - Medi
May 58

63,510

TT-64-16735

Ainbinders, S. B. and Klokov, E. F.
MECHANISM OF BONDING IN COLD WELDING OF
METALS. 21p 20refs.
Order from OTS, SLA, or ETC \$2.60 TT-64-16735

I. Ainbinders, S. B.
II. Klokov, E. F.

Trans. of Akademiya Nauk Latvinskoi SSR, Riga.
Izvashiya 1954, no. 10 (87) p. 113-128.

(Metallurgy, TT, v. 12, no. 4)

Office of Technical Services

Partial Table of Contents, Technical Science

RUSSIAN, per, Iz Ak Nauk ~~SSSR~~^{SSR}, Latviiskoi, Vol CII,
No 1, 1956.

Morris D. Friedman

CIA/FDD X-2124

Partial
Table of Contents

RUSSIAN, per, Iz Ak Nauk ~~SSR~~ ^{SSR} Latvinskoi, Vol CIII,
No 2, 1956.

Morris D. Friedman

CIA/FDD X-2124

Partial Tables of Contents

RUSSIAN, per, Iz Ak Nauk Latvian SSR, Vol CV, No 4, 1956.

Morris D. Friedman

CIA/FDD X-2213

Partial
Table of Contents

RUSSIAN, per, Iz Ak Nauk ~~SSR~~^{SSR}, Latviiskoi, Vol CVI,
No 3, 1956.

Morris D. Friedman

CIA/FDD X-2124

Partial Tables of Contents

Iz Ak Nauk Latvja SSR, No 4 (105), 5(106), 6(107)

Morris D. Friedman

X-2325

Veldre, V.
EXCITATION OF THE 3²P LEVEL OF THE
SODIUM ATOM WITH SLOW ELECTRONS. [1960]
10p.
Order from ATS \$14.75 ATS-89N47R

Trans. of Akademiya Nauk Latv[iyskoy] SSR [Riga].
Izvestiya 1956, no. 5(106), p. 108-115.

151563

61-12781

- I. Sodium--Excitation
- I. Veldre, V.
- II. ATS-89N47R
- III. Associated Technical
Services, Inc., East
Orange, N. J.

ATG/E-3862

Office of Technical Services

(Nuclear Physics--Nuclear Reactions, TT, v. 5, no. 8)

62-11765

Dubinskaya, N. and Ulmanis, U.
INVESTIGATION OF THE BACK-SCATTERING OF
GAMMA-RADIATION (Issledovanie Obratnorasseyun-
nogo Gamma-Izlucheniya) tr. by A. Pingell. 15 Aug 62.
Sp. 6 refs. N R L Trans. no. 910.
Order from OTS \$0.50

62-11765

Trans. of Akademiya Nauk Latvitskoi SSSR, Riga.
Izvestiya, 1957, no. 7(120) p. 147-150.

DESCRIPTORS: *Gamma rays, Scattering, Atomic
number, Gamma ray spectroscopy, Radioactive
isotopes.

The intensity of back-scattered gamma-radiation was
investigated as a function of the atomic number of
the Z-scatterer.

(Nuclear Physics and Nuclear Chemistry, TI, v. 8,
no. 10)

I. Dubinskaya, N.
II. Ulmanis, U.
III. NRL Trans-910
IV. Naval Research Lab.,
Washington, D. C.

Office of Technical Services

(NY-4687)

Symbolic Programming for the Electronic
Computer of the Academy of Sciences, Latvian SSR,
by E. I. Arin', M. A. Shmepe, 15 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 6,
(131), 1958, pp 101-107.

JPRS 5427

Sci - Math

Oct 60

128,980

6 pp.
RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 2(139),
1959, pp 85-90.
ATS-70Q71R

Sci-Chem
March 64

252,065

61-12378

Veldre, V., Gaylitis, M. and others.
ELASTIC SCATTERING OF SLOW ELECTRONS BY
LITHIUM ATOMS. [1960] 4p.
Order from ATS \$4.25 ATS-90M46R

Trans. of Akad[emiya] Nauk Latv[iyskoy] SSR, Riga.
Izvest[iya] 1959, no. 5 [142] p. 73-76.

148,611

- I. Electrons--Scattering
2. Lithium--Nuclear reactions
- I. Veldre, V.
- II. Gaylitis, M.
- III. ATS-90M46R
- IV. Associated Technical
Services, Inc., East
Orange, N. J.

Office of Technical Services

(Nuclear Physics and Nuclear Chemistry, TT, v. 5,
no. 7)

16

(DC-3191).

New Statutes of the Academy of Sciences Latvian SSR,
by P. Valeskans, 16 pp.

RUSSIAN, per, Iz Ak Nauk Latvialsoy SSR, No 9,
Riga, 1959, pp 5-12.

JPRS-1074-D

Sci - Misc
Dec 59

104,410

(NY-3368).

On the Thermal Processes in an Electromagnetic
Induction Pump, by J. Lielpeteris, 13 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 9,
(146), 1959, pp 91-100.

JPRS 2397

Sci - Engr
Apr 60

111,953

S-47/60

(DC-3451).

The Institutes of the Department of Biological Sciences Prepare for the December Plenum of the Central Committee of the Communist Party of the Soviet Union, by Ozol, 7 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 11 (148), 1959, pp 5-10.

JPRS 3362

118,672

Sci - Med, Misc
Jun 60

(DC-3451).

Rare Elements as Alloying Additives to Heat-Resistant Steel, b. L. Semanova, 18 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 11 (148), 1959, pp 47-54.

JPRS 3360

118,670

Sci - Min/Met
Jun 60

OTS 60-31226

Capillary Structure of Wood and Holocellulose De-
termined From Sorption Isotherms of Benzene Va-
pour, by P. Odintsov, P. Krins.

RUSSIAN, per, Iz Ak Nauk Let SSR, Vol XX XI,
No 148, 1999, pp 115-122.

SLA 61-20716
CSIRO 5239

ILL M. 4810

191,680

Sci - Biol

Apr 62

S-47/60

(DC-3451).

Determination of the Partial Pressure of Gases in
Arterial Blood in Certain Lung Diseases, by E.
Grants, 13 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, Vol CXLVIII.
No 11, 1959, pp 169-177.

JPRS 3363

118,673

Sci - Med, Physiology
Jun 60

(DC-3451).

Charter of the Academy of Sciences, Latvian SSR,
12 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 11 (148),
1959, pp 183-190.

JPRS 3361

118,671

Sci - Misc
Jun 60

NTC 69-16522-111

TT-64-10584

Gromov, V. and Formale, M.

THE HYDROTROPIC AND ALKALINE COOKING OF
DECIDUOUS WOOD TO CELLULOSE WITH SIMUL-
TANEOUS HYDROGENATION OF THE LIGNIN. I.
THE INFLUENCE OF THE HYDROGENATION UPON
THE COOKING AND THE PROPERTIES OF THE
CELLULOSE (Gidrotropnaya i Shchelochnaya Varka
Listvennoi Drevesiny na Tsellyulozu s Odnovremennoi
Gidrogenizatsiei Lignina. I. Vliyaniye Gidrogenizatsii
na Varku i Svoystva Tsellyulozy). [1963] [22p]
(foreign text included) 16refs

Order from OTS, SLA, or ETC \$2.60 TT-64-10584

Trans. of [Akademiya Nauk Latvialoi SSR, Riga,
Izvestiya] 1959, no. 12[149] p. 83-90. (Abstract
available)

DESCRIPTORS: *Wood, *Wood pulp, Lignin,
Cellulose, Hydrogenation, pH, Organic acids,
Mechanical properties, Catalysts,
(Materials--Wood, TT, v. 11, no. 9) (over)

I. Gromov, V.
II. Formale, M.
III. Title: Influence...
IV. Title: Vliyaniye...

Office of Technical Services

(NY-3883).

Scientific Research Work of the Academy of Sciences
Latvian SSR for 1960, by P. Valeskalns, 15 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 1,
Riga, 1960, pp 5-16.

JPRS 2755

Sci - Misc
Jun 60

117,576

Estimation of the Effective Scattering Cross
Sections of Electrons by Alkali Elements
Taking Into Account the Strong Coupling,
by R. Damburg, V. Kravchenko, 5 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 1,
(150), 1960, pp 73-76. 9671625

FTD MCL-1291/1

Sci - Phys

174, 745

28 Nov 61

(S-1)

Scientific Sessions and Conferences of the Academy
of Sciences Latvian SSR in 1959, by J. Magons,
6 pp.

LATVIAN, per, Iz Ak Nauk Latvviyskoy SSR, no 2,
1960, Riga, pp 203-206.

JPRS 3733

Sci - Misc

Aug 60

123,390

16

(NY-3125)

Report on the General Meeting of the Academy of
Sciences Latvian SSR, by K. K. Plaude, 32 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 3 (152),
1960, pp 11-20.

JPRS 5164

Sci - Misc

Aug 60

121, 825

16

(W-4123)

General Meeting of the Academy of Sciences,
Latvian SSR - 11 February 1960, by Ya. Magone,
16 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 3 (152),
1960, pp 21-25.

JPRS 5164

Sci - Misc

Aug 60

121, 826

16

(NY-4423)

Resolutions of the General Meeting of the
Academy of Sciences Latvian SSR, 23 pp.

RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR, No 3, (152),
1960, pp 28-30.

JPRS 5164

Sci - Misc

Aug 60

121,796

The Passage of Gamma-Rays Through a Collimator,
by N. Dubinskaya and U. Ulmanis

RUSSIAN, per, Izvestiya Akademii Nauk Latvinskoy
SSR, No 4, 1960, pp 99-104. 9686818

FTD-TT-61-552

Sci - Phys

Sept 63

New Effective Raticide -- Diphenylacetyl-Indandione
(Diphenatsin), by N. Nikolayeva, G. Venag, 6 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 5 (154),
1960, pp 81-84.

JPRS 10797

Sci - Med

Nov 61

174,226

Valvade, A. and Lepin', L.
THE EFFECT OF TEMPERATURE ON THE OXI-
DATION RATE OF ALUMINIUM IN WATER AND
AQUEOUS SOLUTIONS OF NEUTRAL SALTS (Vliyane
Temperatury na Skorost' Okisleniya Alyuminiya v
Vode i Vodnykh Rastvorakh Neitral'nykh Solei).
27 Aug 62 [18]p. (foreign text included) 20 refs.
Order from OTS or SLA \$1.60 62-18907

Trans. of Akad[emiya] Nauk Latv[iskoi] SSR, Riga].
Izv[estiya], 1960, no. 5(154) p. 89-96.

DESCRIPTORS: *Aluminium, Oxidation, Corrosion,
*Corrosive liquids, Water, Salts, *Potassium com-
pounds, Chlorides, Solutions, Temperature.

The oxidation rate of pickled (in 2. ON HCl solution)
aluminium has been investigated in distilled water and
in 0.001 - 4. ON aqueous solutions of KCl under static
(Metallurgy--Corrosion, TT, v. 10, no. 1) (over)

62-18907

I. Valvade, A.
II. Lepin', L.

Office of Technical Services

(SF-1379)

Nitrofurans and Their Use in Medicine, by
M. Belen'kiy, 4 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 5 (154),
1960, pp 203-204.

JPRS 10796

Sci - Med

Nov 61

(DC-4844)

The Plenum on the Question of Using Antibiotics in
Animal Husbandry, by A. Val'dman, 6 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 6 (155),
1960, pp 199-202.

JPRS 6502

Sci - Biol

Jan 61

137,578

() .

First Enlarged Plenum of the Interdepartmental Geomorphological Commission, by A. Indan, M. Kovalevskiy,

RUSSIAN, LATVIAN, per, Iz Ak Nauk Latvyskoy SSR, No 6(155), 1960, pp 203-204.

*JPRS 6562

Sci - Geophys

18 Nov 60

(DC-4844)

Laying the Foundation for the Experimental Nuclear
Reactor of the Institute of Physics of the
Academy of Sciences, Latvian SSR, by I. Kruss,
4 pp.

RUSSIAN, per, Iz Ak Nauk latviyskoy SSR, No 6 (155),
1960, pp 205, 206.

JPRS 6502

Sci - Misc

Jan 61

137,579

A Noteworthy Date, 5 pp.

RUSSEAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 5-7

JPRS 10529

Sci - Misc
Nov 61

174,600

The Academy of Sciences on the High Technology
of Soviet Latvia, by K. Plauds, 20 pp.

RUSSIAN, par, Iz Ak Nauk Latvyskoy SSR
No 7 (156), 1960, pp 9-24.

JPRS 10929

Sci - Misc
Nov 61

174.68

JPR-68000

The Flourishing of General Science in the Latvian SSR, by K. Strazdyn', 20 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR
No 7 (156), 1960, pp 25-38.

JPRS 10529

Sci - Misc
Nov 61

174,685

(NY-6308)

Progress in Physical and Technical Science in
Soviet Latvia, by A. Malmeisters, 12 pp.

RUSSIAN, per. Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 39-48.

JPRS 10529

Sci - Misc
Nov 61

174,680

Achievements of Chemists in the Twenty Years
of Soviet Latvia, by A. Kalnins, 18 pp.

RUSSIAN, per, 12 Ak Nauk Latvyskoy SSR;
No 7 (156), 1960, pp 49-62.

JPRS 10525

Sci - Chem
Nov 61

174,685

Development of Biological Sciences in Soviet
Latvia, by A. Ozols, 20 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 63-75.

JPRS 10529

Sci - Biol
Nov 61

174, 625

Microbiology During Soviet Latvia's Twenty
Years, by A. Kirhenstein, 11 pp.

RUSSIAN, per. Iz Ak Nauk Latvviyakoy SSR,
No 7 (156), 1960, pp 147-152.

JPRS 10529

Sci - Biol
Nov 61

174,689

(NY-6306)

Pathways and Results of Development of
Medical Science in the Latvian SSR.
by A. Smidt, 13 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 153-161.

JPRS 10529

Sci - Med
Nov 61

174,690

(NY-6308)

On Experience in Introducing Radioactive
Isotopes and Nuclear Radiations Into
Establishments of the National Economy,
by G. Gayle, 10 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 IZ (156), 1960, pp 163-171.

JPRS 10529

Sci - Nuc Phys
Nov 61

174, 691

(NY 5208)

Soviet Latvian Scientists' Progress in
the Field of Mechanics, by Ya. Panovko,
9 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 173-181.

JPRS 10529

Sci - Engr
Nov 61

174,692

Some Results of the Investigation of Beta-Diketones in the Academy of Sciences of the Latvian SSR, by G. Vanag, 16 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 7 (156), 1960, pp 183-192.

JPRS 10529

Sci - Chem
Nov 61

174,693

(RI-0300)

Investigations of the Chemistry of Wood and
Its Components as a Theoretical Basis ~~XXX~~
for the Chemical Technology of Wood, by
P. Odintsov, 13 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 193-202.

JPRS 10529

Sci - Chem
Nov 61

174,694

Geology of Soviet Latvia for 20 Years,
by K. Springis, 12 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 203-212.

JPRS 10529

Sci - Engr
Nov 61

174,695

Forestry and the National Economy, by
A. Kalnia'sh, A. Kundzin'sh, 10 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 7 (156), 1960, pp 219-227.

JPRS 10529

USSR
Econ
Nov 61

174,696

Peterkop, R.
ASYMPTOTIC DISTRIBUTION OF THE WAVE FUNCTION OF CHARGED PARTICLES (Asimptoticheskoe Razlozhenie Volnovoi Funktsii Zaryazhennykh Chastits). [1962] [14]p. (foreign text included) 6 refs.
Order from OTS or SLA \$1.60 63-10508

Trans. of Akademiya Nauk Latvskoi SSR [Riga].
Izvestiya, 1960, no. 9(158) p. 79-84.

DESCRIPTORS: *Charged particles, Electrons, Scattering, *Quantum mechanics, Potential theory, Series, Perturbation theory.

(Physics--Theoretical, TT, v. 9, no. 11)

63-10508

I. Peterkop, R.

Office of Technical Services

(NY-6475/2)

Friendship with Science, and Its Relation to
Live, by K. Groudin, 11 pp.

~~FROM~~ RUSSIAN, per, Iz Ak A Nauk Latvyskoy
SSR, No 12 (161), 1960, pp 165-168.

JPRS 9681

Sci - Misc
Agu 61

163,087

(NY-6475).

Work of the All-Union Coordination Commission on
Microelements, by Ya. Magone, 3 pp

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 12 (161),
1960, pp 163-164.

JPRS 9680

Sci - Chem

23 May 61

(NY-6475).

Friendship with Science, Relation to Life, by K.
Graudin,

RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR, No 12 (161),
1960, pp 165-168.

*JPRS

Sci - Misc

23 May 61

The Effect of a Transverse Magnetic Field
on Internal Structure and Hydraulic
Resistance in Turbulent Flows of Liquid
Metals, by H. Bräunover, G. Lielauzis, 11 pp.

RUSSIAN, per, Is Ak Nauk Latvyskoy SSR,
No 1, 1961, pp 59-66. 9664283

FED-TT-61-281

Sci - Phys

188, 301

19 Mar 62

~~Ref~~
(NY-6446)

Basic Results of Scientific Activity and the
Introduction of Completed Scientific Works
of the Academy of Sciences, Latvian SSR,
For 1960, by K. Plauds, 17 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 2 (163), 1961, pp 3-15.

JPRS 10462

Sci. - Misc

173,579

(NY-6446)

Basic Trends of Scientific Investigations of
the Academy of Sciences of the Latvian SSR in
1961, by V. Samson, 32 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 2 (163)
1961, pp 17-29.

JPRS 10463

Sci - Misc

173,581

Nov 61

[REDACTED]

Application of a Calculating Panel for the
Determination of the Characteristics of a
Magnetic Amplifier, by V. Glukhov. 21 pp.

RUSSIAN, per, 12 Ak Nauk Leningradskoy SSR,
No 2 (163) 1961, pp 79-89.

JPRS 10676

Sci - Electron
Nov 61

174,590

The Problem of Generalizing the Basic Concepts of the Theory of Plasticity, by A. Malmeyster, 9 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 2 (163), 1961, pp 89-93. 9678095

FTD-TT-62-381

Sci - Phys
Sep 62

209,718

(NY-6502)

Society and the Individual in the Transition
to Communism, by N. Shendrik, 11 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR,
No 3 (164), 1961, pp 3-11.

JPRS 9884

165,427

USSR

Pol

Sep 61

63-17164

Oskaja, V. and Vanags, G.
CONDENSATION OF PHTHALIC ANHYDRIDE WITH
PHENYLACETIC ACID IN A SOLUTION OF TRI-
ETHYLAMINE AND ACETIC ANHYDRIDE. [1963] 10p.
Order from ATS \$14.50 ATS-96Q68R

Trans. of Akademiya Nauk Latvinskoi SSR, Riga.
Izvestiya 1961, no. 3(164), p. 67-76.

DESCRIPTORS: *Phthalic anhydrides, Condensation
reactions, *Phenyl radicals, *Acetic acids, Solutions,
*Amines, Ethyl radicals, *Acetic anhydrides.

(Chemistry--Organic, TT, v. 10, no. 1)

- I. Oskaja, V.
- II. Vanags, G.
- III. ATS-96Q68R
- IV. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

TT-64-14086

- I. Gromov, V.
- II. Pormale, M.
- III. Title: Fractionation...

Gromov, V. and Pormale, M.
THE HYDROTROP AND ALKALINE PULPING OF
DECIDUOUS WOOD TO CELLULOSE WITH SIMUL-
TANEOUS HYDROGENATION OF THE LIGNIN. 2.
FRACTIONATION OF THE PRODUCT OF THE
HYDROGENATION OF THE LIGNIN, AND THE
SEPARATION OF THE PHENOLS (Gidrotropnaya i
Shelochnaya Varka Listvennoi Drevesiny na Tsellyulozu
s Odnovremennoi Gidrogenizatsiei Lignina. 2.
Fraksionirovanie Produktov Gidrogenizatsii Lignina i
Vydelenie Fenolov). [1963] 123p] (foreign text included)
6 refs

Order from OTS, SLA, or ETC \$2.60 TT-64-14086

Trans. of Akademiya Nauk Latviskoi SSR, Riga.
Izvestiya, 1961, no. 4(165) p. 85-92.

Materials--Wood, TT, v. 11, no. 12)

Office of Technical Services

(ST-1878)

General Assembly of the Academy of Sciences Latvian
SSR Held in 1961, by J. Magone, 6 pp.

RUSSIAN, per, Iz Ak Nauk Latviyskoy SSR, No 4 (165),
1961, pp 153-156.

JPRS 10664

Sci - Misc.

174,086

Nov 61.

(SP-1378)

Resolution of the General Assembly of the Academy
of Sciences Latvian SSR, 23 Feb 1961, 5 pp.

RUSSIAN, per, Iz Ak Nauk Latvyskoy SSR, No 4 (165),
1961, pp 157-160.

JPRS 10664

Sci - Misc.

174.087

Nov 61